

Q.P. Code – 10561

**Fifth Semester B.A./B.Sc./B.Com. Degree Examination,
October/November 2019**

(New Scheme)

Computer Science

JAVA AND UNIX

Time : 3 Hours]

[Max. Marks : 60

Instructions to Candidates : Answer ALL Sections.

SECTION - A

Answer any **TEN** questions :

(10 × 1 = 10)

1. What is literal in Java?
2. Differentiate between string and string buffer class.
3. What is static variable in Java?
4. What are native methods?
5. What are constructor?
6. What is multithreading?
7. What do you mean by multi-user?
8. Define file in unix.
9. Mention process related command.
10. What is the use of head command?
11. Define finger command.
12. Define shell.



SECTION - B

Answer any **FIVE** questions :

(5 × 3 = 15)

13. Explain the features of Java.
14. Write a note on final keyword.
15. Explain try and catch block.

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16. Explain two methods for changing the permission for a file.
17. Explain Unix directory structure.
18. What is a filter? Explain tr filter.
19. Write a shell scripts to print a string in reverse order.

SECTION – C

Answer any **FIVE** questions :

(5 × 7 = 35)

20. (a) Write the difference between Java and C++.
(b) Explain Java development kit. (3 + 4)
21. (a) Explain command line argument with an example.
(b) Write a Java program to find the sum of digit in a given number. (3 + 4)
22. (a) Explain inheritance with an example.
(b) Explain stack class and its methods. (3 + 4)
23. (a) Explain life cycle of thread.
(b) Explain synchronization. (5 + 2)
24. (a) Give any three directory related commands with its syntax.
(b) Describe briefly the unix system architecture. (3 + 4)
25. (a) Explain 'wc' and 'cat' commands with an example.
(b) Explain secondary storage management. (4 + 3)
26. (a) Explain conditional statements in shell program.
(b) Write a shell program to print a string in reverse order. (4 + 3)